### 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

# WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, May 1986, November 1990 to September 1991, October 1992 to September 1993, June 1994 to current year.

REMARKS.--Prior to November 1994, published as 13088000 Snake River at Milner, Id. See water-discharge records remarks.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

| DATE | TIME | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061)    | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)                        |                                                                               | AIR<br>(DEG C)                                        | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                          | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)        | CENT<br>SATUR-<br>ATION)                                                  |
|------|------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------|
| MAR  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 05   | 1045 | 12700                                                                    | 459                                                                      | 8.5                                                                           | 8.0                                                   | 1.0                                                                      | 12.4                                                  | 104                                                                       |
| 22   | 1015 | 19600                                                                    | 420                                                                      | 8.6                                                                           | 12.5                                                  | 4.5                                                                      | 11.7                                                  |                                                                           |
| APR  | 1013 | 13000                                                                    | 120                                                                      | 0.0                                                                           | 12.5                                                  | 1.5                                                                      | 11.7                                                  | 207                                                                       |
| 02   | 0940 | 16900                                                                    | 417                                                                      | 8.5                                                                           | 6.0                                                   | 4.5                                                                      | 11.9                                                  | 108                                                                       |
| 17   | 1030 | 12700                                                                    | 423                                                                      | 8.6                                                                           | 5.0                                                   | 7.5                                                                      | 11.0                                                  |                                                                           |
| MAY  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 03   | 1010 | 5050                                                                     | 410                                                                      | 8.8                                                                           | 7.0                                                   | 9.5                                                                      | 9.8                                                   | 100                                                                       |
| 13   | 1045 | 3210                                                                     | 411                                                                      | 8.7                                                                           | 21.0                                                  | 13.5                                                                     | 10.5                                                  |                                                                           |
| 30   | 0915 | 12500                                                                    | 399                                                                      | 8.7                                                                           | 6.5                                                   | 11.5                                                                     | 10.0                                                  |                                                                           |
| JUN  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 13   | 1000 | 5950                                                                     | 355                                                                      | 8.8                                                                           | 24.0                                                  | 17.0                                                                     | 9.1                                                   | 110                                                                       |
| 27   | 1045 | 4360                                                                     | 349                                                                      | 8.6                                                                           | 19.0                                                  | 16.5                                                                     | 8.4                                                   |                                                                           |
| JUL  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 29   | 1130 | 1570                                                                     | 341                                                                      | 8.7                                                                           | 27.0                                                  | 21.0                                                                     | 8.0                                                   | 104                                                                       |
| DATE |      | NITRO-<br>GEN,<br>NO2+NO3<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00631) | NITRO-<br>GEN,<br>AMMONIA<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00608) | NITRO-<br>GEN,AM-<br>MONIA +<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS N)<br>(00625) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | PHOS-<br>PHORUS<br>ORTHO,<br>DIS-<br>SOLVED<br>(MG/L<br>AS P)<br>(00671) | SEDI-<br>MENT,<br>SUS-<br>PENDED<br>(MG/L)<br>(80154) | SEDI-<br>MENT,<br>DIS-<br>CHARGE,<br>SUS-<br>PENDED<br>(T/DAY)<br>(80155) |
| MAR  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 05   |      | 0.54                                                                     | 0.030                                                                    | 0.3                                                                           | 0.06                                                  | 0.04                                                                     | 22                                                    | 754                                                                       |
| 22   |      | 0.24                                                                     | <0.015                                                                   | 0.6                                                                           | 0.10                                                  | <0.01                                                                    | 35                                                    | 1850                                                                      |
| APR  |      |                                                                          | 0.045                                                                    |                                                                               |                                                       |                                                                          |                                                       | 4.000                                                                     |
| 02   |      | 0.31                                                                     | <0.015                                                                   | 0.5                                                                           | 0.08                                                  | <0.01                                                                    | 30                                                    | 1370                                                                      |
| 17   |      | 0.07                                                                     | 0.030                                                                    | 0.4                                                                           | 0.07                                                  | <0.01                                                                    |                                                       |                                                                           |
| MAY  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          | 0.0                                                   | 006                                                                       |
| 03   |      | <0.05                                                                    | 0.020                                                                    | 0.5                                                                           | 0.07                                                  | <0.01                                                                    | 21                                                    | 286                                                                       |
| 13   |      | 0.07                                                                     | 0.030                                                                    | 0.5                                                                           | 0.06                                                  | <0.01                                                                    | 16                                                    | 139                                                                       |
| 30   |      | <0.05                                                                    | 0.020                                                                    | 0.5                                                                           | 0.06                                                  | <0.01                                                                    | 38                                                    | 1280                                                                      |
| JUN  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 13   |      | 0.05                                                                     | 0.050                                                                    | 0.5                                                                           | 0.08                                                  | <0.01                                                                    | 17                                                    | 273                                                                       |
| 27   |      | <0.05                                                                    | 0.020                                                                    | 0.4                                                                           | 0.04                                                  | <0.01                                                                    | 10                                                    | 118                                                                       |
| JUL  |      |                                                                          |                                                                          |                                                                               |                                                       |                                                                          |                                                       |                                                                           |
| 29   |      | 0.12                                                                     | 0.040                                                                    | 0.5                                                                           | 0.05                                                  | 0.04                                                                     | 77                                                    | 326                                                                       |

# 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

# WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, May 1986, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1995, March 1996 to September 1997 (discontinued).

REMARKS.--Prior to November 1994, published as "13088000 Snake River at Milner, Id". See water-discharge records remarks.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

| DATE            | TIME                                            | DIS-<br>CHARGE<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECONI  | CIFIC<br>CON-<br>DUCT-<br>ANCE<br>D (US/CM)                              | PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)                          | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                                 | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076)                      | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                                 | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | COLI-<br>FORM,<br>FECAL,<br>0.7<br>UM-MF<br>(COLS./<br>100 ML)<br>(31625) | STREP-<br>TOCOCCI<br>FECAL,<br>KF AGAR<br>(COLS.<br>PER<br>100 ML)<br>(31673) |
|-----------------|-------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| MAR<br>12       | 1015                                            | 14700                                                      | 414                                                                      | 8.6                                                                      | 7.0                                                                           | 2.0                                             |                                                              | 13.0                                                                           | 109                                                                       |                                                                           |                                                                               |
| 25              | 0945                                            | 14400                                                      | 396                                                                      | 8.7                                                                      | 10.5                                                                          | 3.5                                             |                                                              | 12.0                                                                           | 103                                                                       |                                                                           |                                                                               |
| APR             |                                                 |                                                            |                                                                          |                                                                          |                                                                               |                                                 |                                                              |                                                                                |                                                                           |                                                                           |                                                                               |
| 08              | 1115                                            | 9480                                                       | 392                                                                      | 8.5                                                                      | 11.0                                                                          | 3.0                                             |                                                              | 12.4                                                                           | 107                                                                       |                                                                           |                                                                               |
| 21<br>MAY       | 0930                                            | 4320                                                       | 411                                                                      | 8.6                                                                      | 7.0                                                                           | 6.5                                             | 4.5                                                          | 10.7                                                                           | 101                                                                       | K10                                                                       | 53                                                                            |
| 08              | 1000                                            | 1860                                                       | 395                                                                      | 8.7                                                                      | 12.0                                                                          | 8.0                                             |                                                              | 10.6                                                                           | 104                                                                       |                                                                           |                                                                               |
| 20              | 0845                                            | 3450                                                       | 393                                                                      | 8.5                                                                      | 16.0                                                                          | 12.5                                            |                                                              | 9.3                                                                            | 104                                                                       | K8                                                                        | 19                                                                            |
| JUN<br>05       | 1045                                            | 8630                                                       | 346                                                                      | 9.1                                                                      | 13.0                                                                          | 14.5                                            | 2.9                                                          | 9.3                                                                            | 108                                                                       | 42                                                                        | 70                                                                            |
| 26              | 0800                                            | 25800                                                      | 303                                                                      | 8.2                                                                      | 15.5                                                                          | 15.0                                            | 2.9                                                          | 10.1                                                                           | 119                                                                       | 42                                                                        | 70                                                                            |
| JUL             |                                                 |                                                            |                                                                          |                                                                          |                                                                               |                                                 |                                                              |                                                                                |                                                                           |                                                                           |                                                                               |
| 09<br>AUG       | 1315                                            | 240                                                        | 309                                                                      | 8.6                                                                      | 29.0                                                                          | 18.0                                            | 4.7                                                          | 8.4                                                                            | 103                                                                       | K10                                                                       | К9                                                                            |
| 21<br>SEP       | 0915                                            | 231                                                        | 329                                                                      | 8.8                                                                      | 20.0                                                                          | 20.0                                            | 4.2                                                          | 8.5                                                                            | 109                                                                       | K30                                                                       | 77                                                                            |
| 10              | 0915                                            | 1210                                                       | 340                                                                      | 8.5                                                                      | 21.5                                                                          | 20.5                                            | 3.9                                                          | 7.6                                                                            | 99                                                                        | 44                                                                        | K36                                                                           |
| DATE            | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3) |                                                            | CALCIUM<br>DIS-<br>SOLVED<br>(MG/L<br>AS CA)<br>(00915)                  | MAGNE-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS MG)<br>(00925)          | SODIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS NA)<br>(00930)                       | SODIUM<br>PERCENT<br>(00932)                    | POTAS<br>SIUM,<br>DIS-<br>SOLVE<br>(MG/L<br>AS K)<br>(00935  | WATH WH F D FIEI MG/L HCO                                                      | TE B ER V ET W LD F AS MG                                                 | CAR-<br>ONATE<br>WATER<br>H FET<br>F/IELD<br>G/L AS<br>CO3<br>00445)      | ALKA-<br>LINITY<br>WAT WH<br>TOT FET<br>FIELD<br>MG/L AS<br>CACO3<br>(00410)  |
| SEP<br>10       | 140                                             |                                                            | 39                                                                       | 12                                                                       | 12                                                                            | 15                                              | 2.5                                                          | 14                                                                             | 0                                                                         | 7                                                                         | 130                                                                           |
| DATE            | S<br>)<br>2A                                    | JLFATE<br>DIS-<br>OLVED<br>(MG/L<br>S SO4)<br>)0945)       | CHLO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS CL)<br>(00940)           | FLUO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS F)<br>(00950)            | SILICA,<br>DIS-<br>SOLVED<br>(MG/L<br>AS<br>SIO2)<br>(00955)                  | RES<br>AT<br>DEC<br>DI<br>SOI<br>(MC            | AIDS,<br>BIDUE<br>180<br>3. C<br>IS-<br>LVED<br>G/L)<br>300) | SOLIDS,<br>SUM OF<br>CONSTI-<br>TUENTS,<br>DIS-<br>SOLVED<br>(MG/L)<br>(70301) | SOLIDS,<br>DIS-<br>SOLVED<br>(TONS<br>PER<br>AC-FT)                       | DII<br>SOL'<br>(TC<br>PE<br>DA                                            | S-<br>VED<br>NS<br>R<br>V)                                                    |
| SEP<br>10       | . 2                                             | 24                                                         | 11                                                                       | 0.55                                                                     | 14                                                                            | 212                                             | 2                                                            | 192                                                                            | 0.29                                                                      | 9 69                                                                      | 3                                                                             |
| DATE            | NI<br>S                                         | ITRO-<br>GEN,<br>ITRITE<br>DIS-<br>OLVED<br>(MG/L<br>AS N) | NITRO-<br>GEN,<br>NO2+NO3<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00631) | NITRO-<br>GEN,<br>AMMONIA<br>DIS-<br>SOLVED<br>(MG/L<br>AS N)<br>(00608) | NITRO-<br>GEN,AM-<br>MONIA +<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS N)<br>(00625) | PHO<br>TO<br>(M<br>AS                           | OS-<br>DRUS<br>TAL<br>G/L<br>: P)<br>665)                    | PHOS-<br>PHORUS<br>ORTHO,<br>DIS-<br>SOLVED<br>(MG/L<br>AS P)<br>(00671)       | SEDI-<br>MENT,<br>SUS-<br>PENDED<br>(MG/L)<br>(80154)                     | (T/D                                                                      | T,<br>S-<br>GE,<br>S-<br>DED<br>(AY)                                          |
| MAR             |                                                 |                                                            |                                                                          |                                                                          |                                                                               |                                                 |                                                              |                                                                                |                                                                           |                                                                           |                                                                               |
| 12              |                                                 | -                                                          | 0.380                                                                    | <0.015                                                                   | 0.30                                                                          |                                                 | 0.030                                                        | 0.020                                                                          | 15                                                                        | 59                                                                        |                                                                               |
| 25              | -                                               | -                                                          | 0.217                                                                    | <0.015                                                                   | 0.61                                                                          | (                                               | 0.110                                                        | <0.010                                                                         | 77                                                                        | 299                                                                       | 0                                                                             |
| APR<br>08       |                                                 | -                                                          | 0.123                                                                    | <0.015                                                                   | 0.58                                                                          | (                                               | 0.075                                                        | <0.010                                                                         | 32                                                                        | 81                                                                        | 9                                                                             |
| 21              |                                                 | 0.010                                                      | 0.097                                                                    | 0.097                                                                    | 0.48                                                                          |                                                 | 0.044                                                        | <0.010                                                                         | 22                                                                        | 25                                                                        |                                                                               |
| MAY<br>08<br>20 |                                                 | 0.010                                                      | 0.080<br>0.082                                                           | <0.015<br><0.015                                                         | 0.31<br>0.34                                                                  |                                                 | 0.046<br>0.036                                               | <0.010<br><0.010                                                               | 20<br>17                                                                  | 10<br>15                                                                  |                                                                               |
| JUN<br>05       |                                                 | 0.011                                                      | 0.089                                                                    | <0.015                                                                   | 0.45                                                                          |                                                 | 0.039                                                        | <0.010                                                                         | 18                                                                        | 41                                                                        |                                                                               |
| 26<br>JUL       |                                                 | -                                                          | 0.193                                                                    | 0.031                                                                    | 0.40                                                                          |                                                 | 0.105                                                        | 0.032                                                                          | 63                                                                        | 439                                                                       |                                                                               |
| 09<br>AUG       |                                                 | 0.010                                                      | 0.071                                                                    | <0.015                                                                   | 0.47                                                                          |                                                 | 0.044                                                        | 0.022                                                                          | 28                                                                        |                                                                           | 8                                                                             |
| 21<br>SEP       | . <                                             | 0.010                                                      | <0.050                                                                   | <0.015                                                                   | 0.84                                                                          | (                                               | 0.057                                                        | 0.020                                                                          | 23                                                                        | 1                                                                         | 4                                                                             |
| 10              | . <                                             | 0.010                                                      | <0.050                                                                   | <0.015                                                                   | 0.53                                                                          | (                                               | 0.054                                                        | <0.010                                                                         | 28                                                                        | 9                                                                         | 1                                                                             |

 $<sup>\</sup>ensuremath{\mathtt{K}}$  Results based on counts outside ideal colony range.

### 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, May 1986, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1995, March 1996 to September 1997, April 1999 to September 1999 (discontinued).

PERIOD OF DAILY RECORD .--

WATER TEMPERATURE: May 14, 1999 to September 8, 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR CURRENT YEAR .--

WATER TEMPERATURE: Maximum, 22.8 °C Aug. 24.

REMARKS.--Prior to November 1994, published as "13088000 Snake River at Milner, ID". See water-discharge records remarks.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

| DATE             | TIME | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)                 | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                      | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | COLI-<br>FORM,<br>FECAL,<br>0.7<br>UM-MF<br>(COLS./<br>100 ML)<br>(31625) | STREP-<br>TOCOCCI<br>FECAL,<br>KF AGAR<br>(COLS.<br>PER<br>100 ML)<br>(31673) |
|------------------|------|-----------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| APR<br>19        | 0915 | 6390                                                                  | 428                                                          | 8.6                                                             | 13.0                                               | 7.7                                             | 7.1                                     | 11.2                                                                | 109                                                                       | К7                                                                        | 50                                                                            |
| MAY<br>13        | 0930 | 6980                                                                  | 429                                                          | 8.4                                                             | 4.5                                                | 8.6                                             | 15                                      | 10.9                                                                | 110                                                                       | <1                                                                        | 23                                                                            |
| JUN<br>15        | 0845 | 10800                                                                 | 381                                                          | 8.2                                                             | 19.5                                               | 16.8                                            | 2.5                                     | 9.4                                                                 | 114                                                                       | K11                                                                       | 25                                                                            |
| JUL<br>12        | 1145 | 235                                                                   | 343                                                          | 8.6                                                             | 27.5                                               | 20.5                                            | 5.0                                     | 9.1                                                                 | 116                                                                       | K7                                                                        | 38                                                                            |
| AUG<br>19        | 0845 | 225                                                                   | 360                                                          | 8.7                                                             | 18.5                                               | 21.5                                            | 3.8                                     |                                                                     |                                                                           |                                                                           | 13                                                                            |
| SEP<br>10        | 0830 | 216                                                                   | 372                                                          | 8.8                                                             | 17.5                                               | 16.1                                            | 3.5                                     | 8.0                                                                 | 95                                                                        | 53                                                                        | 21                                                                            |
| DATE             |      | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900)            | CALCIUM<br>DIS-<br>SOLVED<br>(MG/L<br>AS CA)<br>(00915)      | MAGNE-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS MG)<br>(00925) | SODIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS NA)       | S(<br>PE                                        | ODIUM<br>RCENT<br>0932)                 | POTAS-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS K)<br>(00935)      | ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)                          | ANC UNFLTRI CARB FET FIELD MG/L A: CO3 (00445                             | S                                                                             |
| SEP<br>10        |      | 160                                                                   | 42                                                           | 13                                                              | 15                                                 |                                                 | 17                                      | 3.1                                                                 | 140                                                                       | 8                                                                         |                                                                               |
| DATE             |      | ANC WATER UNFLTRD FET FIELD MG/L AS CACO3                             | SULFATE<br>DIS-<br>SOLVED<br>(MG/L<br>AS SO4)                | CHLO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS CL)             | FLUO-<br>RIDE,<br>DIS-<br>SOLVED<br>(MG/L<br>AS F) | I<br>S(                                         | LICA,<br>DIS-<br>DLVED<br>MG/L<br>AS    | SOLIDS,<br>SUM OF<br>CONSTI-<br>TUENTS,<br>DIS-<br>SOLVED<br>(MG/L) | SOLIDS,<br>DIS-<br>SOLVED<br>(TONS<br>PER<br>AC-FT)                       | SOLIDS<br>DIS-<br>SOLVED<br>(TONS<br>PER<br>DAY)                          |                                                                               |
| SEP<br>10        |      | (00410)                                                               | (00945)                                                      | (00940)                                                         | (00950)                                            | ( 0                                             | 14                                      | (70301)                                                             | (70303)                                                                   | (70302                                                                    | )                                                                             |
|                  | •    | NITRO-<br>GEN,<br>NITRITE<br>DIS-<br>SOLVED                           | NITRO-<br>GEN,<br>NO2+NO3<br>DIS-<br>SOLVED                  | NITRO-<br>GEN,<br>AMMONIA<br>DIS-<br>SOLVED                     | NITRO-<br>GEN,AM-<br>MONIA +<br>ORGANIO<br>TOTAL   | . P<br>! P<br>T                                 | PHOS-<br>HORUS<br>POTAL                 | PHOS-<br>PHORUS<br>ORTHO,<br>DIS-<br>SOLVED                         | SEDI-<br>MENT,<br>SUS-                                                    | SEDI-<br>MENT,<br>DIS-<br>CHARGE<br>SUS-                                  | ,                                                                             |
| DATE             |      | (MG/L<br>AS N)<br>(00613)                                             | (MG/L<br>AS N)<br>(00631)                                    | (MG/L<br>AS N)<br>(00608)                                       | (MG/L<br>AS N)<br>(00625)                          | A                                               | MG/L<br>S P)<br>10665)                  | (MG/L<br>AS P)<br>(00671)                                           | PENDED<br>(MG/L)<br>(80154)                                               | PENDED<br>(T/DAY<br>(80155                                                | )                                                                             |
| APR<br>19        |      | <.010                                                                 | .171                                                         | <.020                                                           | .52                                                |                                                 | .066                                    | .015                                                                | 32                                                                        | 552                                                                       |                                                                               |
| MAY<br>13        |      | <.010                                                                 | .094                                                         | <.020                                                           | .42                                                |                                                 | E.035                                   | .012                                                                | 29                                                                        | 547                                                                       |                                                                               |
| JUN<br>15        |      | <.010                                                                 | <.050                                                        | <.020                                                           | .50                                                |                                                 | .063                                    | <.010                                                               | 274                                                                       | 7990                                                                      |                                                                               |
| JUL<br>12        |      | <.010                                                                 | .088                                                         | <.020                                                           | .40                                                |                                                 | .101                                    | .026                                                                | 12                                                                        | 7.                                                                        | 6                                                                             |
| AUG<br>19<br>SEP |      | <.010                                                                 | <.050                                                        | <.020                                                           | .58                                                |                                                 | .097                                    | .019                                                                | 21                                                                        | 13                                                                        |                                                                               |
| 10               |      | <.010                                                                 | <.050                                                        | <.020                                                           | .64                                                |                                                 | .100                                    | .017                                                                | 15                                                                        | 8.                                                                        | 7                                                                             |

E Positive detection, but below stated detection limit.

 $<sup>{\</sup>tt K}$  Results based on counts outside ideal colony range.

# 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

| DAY  | MAX | MIN   | MEAN | MAX  | MIN  | MEAN |
|------|-----|-------|------|------|------|------|
|      |     | APRIL |      |      | MAY  |      |
| 1    |     |       |      |      |      |      |
| 2    |     |       |      |      |      |      |
| 3    |     |       |      |      |      |      |
| 4    |     |       |      |      |      |      |
| 5    |     |       |      |      |      |      |
| _    |     |       |      |      |      |      |
| 6    |     |       |      |      |      |      |
| 7    |     |       |      |      |      |      |
| 8    |     |       |      |      |      |      |
| 9    |     |       |      |      |      |      |
| 10   |     |       |      |      |      |      |
| 11   |     |       |      |      |      |      |
| 12   |     |       |      |      |      |      |
| 13   |     |       |      |      |      |      |
| 14   |     |       |      | 9.9  | 9.3  | 9.6  |
| 15   |     |       |      | 10.1 | 9.6  | 9.8  |
|      |     |       |      |      |      |      |
| 16   |     |       |      | 9.8  | 9.3  | 9.5  |
| 17   |     |       |      | 10.5 | 9.4  | 10.0 |
| 18   |     |       |      | 11.3 | 10.4 | 10.8 |
| 19   |     |       |      | 11.6 | 10.8 | 11.2 |
| 20   |     |       |      | 12.2 | 11.6 | 11.9 |
| 21   |     |       |      | 13.0 | 11.8 | 12.5 |
| 22   |     |       |      | 13.1 | 12.7 | 12.9 |
| 23   |     |       |      | 14.1 | 13.0 | 13.5 |
| 24   |     |       |      | 15.2 | 14.1 | 14.6 |
| 25   |     |       |      | 16.1 | 14.9 | 15.6 |
| 23   |     |       |      | 10.1 | 11.5 | 13.0 |
| 26   |     |       |      | 15.8 | 14.9 | 15.6 |
| 27   |     |       |      | 15.3 | 14.2 | 14.8 |
| 28   |     |       |      | 16.1 | 15.0 | 15.6 |
| 29   |     |       |      | 16.1 | 15.0 | 15.6 |
| 30   |     |       |      | 15.8 | 15.0 | 15.5 |
| 31   |     |       |      | 15.0 | 14.7 | 14.8 |
| ONTH |     |       |      |      |      |      |
|      |     |       |      |      |      |      |

| DAY                              | MAX                                  | MIN                                  | MEAN                                 | MAX                                          | MIN                                          | MEAN                                         | MAX                                          | MIN                                          | MEAN                                         | MAX                                  | MIN                                  | MEAN                                 |  |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|
| JUNE                             |                                      |                                      |                                      | JULY                                         |                                              |                                              | AUGUST                                       |                                              | S                                            | SEPTEMBER                            |                                      |                                      |  |
| 1<br>2<br>3<br>4<br>5            | 15.3<br>14.7<br>14.2<br>14.2<br>14.4 | 14.5<br>13.6<br>13.5<br>13.9<br>14.1 | 14.9<br>14.3<br>13.8<br>14.1<br>14.3 |                                              |                                              |                                              | 21.8<br>21.9<br>21.9<br>22.3<br>22.1         | 20.9<br>20.9<br>20.9<br>21.1<br>21.3         | 21.2<br>21.4<br>21.2<br>21.5<br>21.5         | 19.0<br>18.3<br>18.0<br>17.9<br>18.7 | 17.9<br>17.5<br>17.4<br>17.1<br>17.1 | 18.5<br>18.0<br>17.7<br>17.4<br>17.9 |  |
| 6<br>7<br>8<br>9<br>10           | 14.2<br>14.4<br>14.4<br>14.1<br>14.9 | 13.3<br>13.3<br>13.9<br>13.6<br>13.9 | 13.8<br>13.7<br>14.1<br>13.7<br>14.3 | <br><br>19.5<br>20.1                         | <br><br>18.5<br>18.7                         | <br><br>19.0<br>19.5                         | 22.4<br>22.1<br>21.9<br>22.1<br>22.1         | 21.4<br>21.3<br>20.9<br>20.9<br>20.9         | 21.9<br>21.7<br>21.5<br>21.4<br>21.5         | 19.0<br>18.2<br>17.7                 | 18.2<br>17.2<br>16.7                 | 18.5<br>17.8<br>17.2                 |  |
| 11<br>12<br>13<br>14<br>15       | 15.3<br>16.4<br>17.1<br>17.5<br>17.9 | 14.9<br>15.3<br>16.4<br>16.7         | 15.0<br>15.7<br>16.7<br>17.1<br>17.6 | 20.9<br>21.4<br>21.9<br>21.8<br>21.1         | 19.6<br>20.1<br>20.6<br>20.4<br>19.8         | 20.3<br>20.8<br>21.2<br>21.1<br>20.5         | 21.3<br>20.6<br>20.8<br>21.6<br>20.9         | 20.0<br>19.8<br>20.0<br>20.4<br>20.0         | 20.7<br>20.1<br>20.4<br>20.9<br>20.5         |                                      |                                      |                                      |  |
| 16<br>17<br>18<br>19<br>20       | 18.2<br>18.7<br>19.5<br>19.6<br>19.6 | 17.7<br>18.0<br>18.7<br>19.0         | 18.0<br>18.2<br>19.1<br>19.2<br>19.4 | 20.6<br>21.3<br>21.1<br>21.1<br>21.8         | 19.8<br>20.1<br>20.0<br>20.0<br>20.6         | 20.1<br>20.5<br>20.5<br>20.5<br>21.1         | 20.9<br>21.4<br>21.8<br>22.4<br>22.4         | 19.8<br>20.0<br>20.4<br>20.9<br>21.3         | 20.3<br>20.6<br>21.1<br>21.6<br>21.7         |                                      |                                      |                                      |  |
| 21<br>22<br>23<br>24<br>25       | 20.0<br>19.6<br>19.0<br>19.5<br>19.0 | 19.6<br>18.7<br>18.5<br>18.3<br>18.0 | 19.8<br>19.3<br>18.7<br>18.9<br>18.5 | 21.8<br>21.8<br>22.3<br>22.3<br>21.6         | 20.6<br>20.8<br>20.9<br>20.9<br>20.6         | 21.1<br>21.2<br>21.6<br>21.7<br>21.1         | 21.9<br>21.9<br>22.6<br>22.8<br>22.3         | 20.9<br>20.9<br>21.6<br>21.6<br>21.4         | 21.4<br>21.4<br>22.0<br>22.0<br>21.9         |                                      |                                      |                                      |  |
| 26<br>27<br>28<br>29<br>30<br>31 | 18.0<br><br><br>                     | 17.7<br><br><br>                     | 17.9<br><br><br>                     | 21.4<br>22.6<br>23.1<br>22.6<br>21.8<br>21.9 | 20.4<br>20.9<br>21.9<br>21.3<br>21.1<br>21.1 | 20.9<br>21.8<br>22.3<br>21.8<br>21.4<br>21.5 | 22.4<br>22.3<br>22.6<br>22.3<br>22.1<br>20.6 | 21.4<br>21.4<br>21.4<br>21.3<br>20.6<br>18.8 | 21.9<br>21.7<br>21.8<br>21.7<br>21.5<br>19.9 |                                      |                                      |                                      |  |
| MONTH                            |                                      |                                      |                                      |                                              |                                              |                                              | 22.8                                         | 18.8                                         | 21.3                                         |                                      |                                      |                                      |  |

### 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, May 1986, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1995, March 1996 to September 1997, April to September 1999, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD .--

WATER TEMPERATURE: May to September 1999, May to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0 °C July 3, 2001.

EXTREMES FOR CURRENT YEAR .--

WATER TEMPERATURE: Maximum, 28.0 °C July 3.

REMARKS.--Prior to November 1994, published as "13088000 Snake River at Milner, ID". See water-discharge records remarks.

|                  |                                                                                                  |                                                                                      | WATER-QU                                  | ALITY DATA                                                                | A, APRII                                                                                                                                     | TO SEPTE                                                                             | EMBER 2                            | 001                                                                                                                            |                                                                                 |                                                                                |                     |                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------|
| DATE             | TIME                                                                                             | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061)                | CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)      | TEMPER<br>ATURE<br>AIR<br>(DEG C                                                                                                             | ATUI<br>WATI<br>) (DEG                                                               | ER-<br>RE<br>ER<br>C)              | TURBID-<br>ITY LAB<br>HACH<br>2100AN<br>(NTU)<br>(99872)                                                                       | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                                  | OXYGE<br>DIS-<br>SOLVE<br>(PER<br>CENT<br>SATION<br>(0030                      | ED F                | COLI-<br>FORM,<br>FECAL,<br>0.7<br>UM-MF<br>COLS./<br>00 ML)<br>31625)                       |
| APR<br>16        | 1045                                                                                             | 228                                                                                  | 536                                       | 7.7                                                                       | 11.0                                                                                                                                         | 7                                                                                    | .5                                 | 5.6                                                                                                                            | 7.8                                                                             | 75.                                                                            | 3                   | <1                                                                                           |
| MAY<br>08        | 0930                                                                                             | 228                                                                                  | 483                                       | 7.8                                                                       | 17.0                                                                                                                                         | 11                                                                                   | .7                                 | 5.1                                                                                                                            | 9.9                                                                             | 106                                                                            |                     | S1                                                                                           |
| JUN<br>07        | 0915                                                                                             | .96                                                                                  | 448                                       | 7.9                                                                       | 18.5                                                                                                                                         | 16                                                                                   | .9                                 | 6.0                                                                                                                            | 4.9                                                                             | 59.                                                                            | 0 8                 | S10                                                                                          |
| JUL<br>05        | 1015                                                                                             | .54                                                                                  | 461                                       | 7.7                                                                       | 29.0                                                                                                                                         | 24                                                                                   | . 4                                | 3.0                                                                                                                            | 3.2                                                                             | 43.                                                                            | 7                   | S6                                                                                           |
| AUG<br>07<br>SEP | 0830                                                                                             | 7.2                                                                                  | 466                                       | 8.2                                                                       | 19.5                                                                                                                                         | 21                                                                                   | . 4                                | 10                                                                                                                             | 6.2                                                                             | 80.                                                                            | 9                   | <1                                                                                           |
| 10               | 0915                                                                                             | 1.2                                                                                  | 493                                       | 7.2                                                                       | 16.0                                                                                                                                         | 15                                                                                   | .5                                 | 1.5                                                                                                                            |                                                                                 |                                                                                |                     | S3                                                                                           |
| DATE  SEP 10     | HARD- NESS TOTAL (MG/L AS CACO3) (00900)  183  SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) | CALCIUM DIS- SOLVED (MG/L AS CA) (00915)  43.3  SOLIDS, DIS- SOLVED (TONS PER AC-FT) | DIS-<br>SOLVED<br>(TONS<br>PER<br>DAY)    | SODIUM PERCENT (00932)  22.7  NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) | POTAS-<br>SIUM,<br>DIS-<br>SOLVED<br>(MG/L<br>AS K)<br>(00935)<br>5.34<br>NITRO-<br>GEN, AM<br>MONIA ·<br>ORGANI'<br>TOTAL<br>(MG/L<br>AS N) | UNFLTRD FET FIELD MG/L AS 1 HCO3 (00440)  180  NITR GEN H NO2+1 C DIS SOLV (MG, AS 1 | I,<br>NO3<br>:-<br>'ED<br>/L<br>N) | UNFLTRD<br>FET<br>FIELD<br>MG/L AS<br>CACO3<br>(00410)<br>150<br>PHOS-<br>PHORUS<br>ORTHO,<br>DIS-<br>SOLVED<br>(MG/L<br>AS P) | SULFATE DIS- SOLVED (MG/L AS SO4) (00945)  46.2  PHOS- PHORUS TOTAL (MG/L AS P) | (MG/L<br>AS CL)<br>(00940) (<br>24.1<br>SEDI<br>MENT<br>SUS-<br>PENDE<br>(MG/I | 1 CI<br>, CI<br>D F | SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)  18.5  SEDI- MENT, DIS- HARGE, SUS- PENDED T/DAY) |
| APR<br>16        | (70301)                                                                                          | (70303)                                                                              | (70302)                                   | .016                                                                      | .42                                                                                                                                          |                                                                                      | .453                               | .067                                                                                                                           | (00665)                                                                         | (8015<br>1 7                                                                   | 17 (                | 80155)<br>4.3                                                                                |
| MAY<br>08        |                                                                                                  |                                                                                      |                                           | .012                                                                      | .34                                                                                                                                          |                                                                                      | . 256                              | .029                                                                                                                           | .06                                                                             |                                                                                |                     | 4.3                                                                                          |
| JUN<br>07        |                                                                                                  |                                                                                      |                                           | .007                                                                      | .81                                                                                                                                          |                                                                                      | .005                               | .011                                                                                                                           | .10                                                                             |                                                                                |                     | .02                                                                                          |
| JUL<br>05        |                                                                                                  |                                                                                      |                                           | .245                                                                      | .90                                                                                                                                          |                                                                                      | .077                               | .095                                                                                                                           | .15                                                                             |                                                                                |                     | .01                                                                                          |
| AUG<br>07        |                                                                                                  |                                                                                      |                                           | .058                                                                      | .64                                                                                                                                          | 1                                                                                    | .095                               | .073                                                                                                                           | .12                                                                             | 8 7                                                                            |                     | .14                                                                                          |
| SEP<br>10        | 273                                                                                              | .371                                                                                 | .88                                       | .039                                                                      | .36                                                                                                                                          | 5                                                                                    | .054                               | .047                                                                                                                           | .07                                                                             | 6 1                                                                            |                     | .00                                                                                          |

S Most probable value

#### 13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001 DAY MAX MIN MEAN MAX MIN MEAN MAX MIN MEAN MAX MIN MEAN FEBRUARY MARCH APRIL MAY ------------------------------------------------------------------------6 ------------------------------------8 ------------------------------13.8 12.8 13.3 10 ---------------14.2 13.3 13.9 9.0 13.6 14.7 ---------12 ------------------------13 ---------------------------------------15 ---16 17 ---------------------------18 ------------------------------------20 ------------------------------------21 22 ------------------------------------23 24 ---------25 ---------------------------------26 2.7 ------------------------------------28 29 ------------------------------30 ------31 ---\_\_\_ ------------------------------MONTH DAY MAX MTN MEAN MAX MTN MEAN MAX MIN MEAN MAX MTN MEAN JUNE JULY AUGUST SEPTEMBER 19.7 21.6 19.0 ---2 ------27.1 21.8 24.3 25.0 19.8 22.4 22.6 19.7 21.1 ---28.0 22.3 25.1 23.6 20.8 22.0 22.5 19.8 21.1 27.8 23.8 25.5 24.2 20.1 22.3 20.3 21.2 5 ---------27.5 23.6 25.3 24.5 19.0 21.9 22.1 19.2 21.0 6 ---27.7 23.3 25.3 24.3 21.3 22.7 19.2 15.5 16.6 24.8 23.0 24.0 24.5 21.6 22.9 17.2 14.5 15.6 23.1 17.9 20.5 26.6 21.8 24.1 24.8 21.6 23.1 17.9 14.1 15.6 23.9 23.1 23.0 18.7 20.8 25.5 22.6 21.0 22.1 18.5 16.3 22.1 20.2 27.1 21.8 19.0 15.3 10 18.5 24.3 24.3 20.0 22.1 17.0 11 21.8 18.0 19.6 26.4 22.6 24.1 25.4 20.8 23.0 19.5 16.0 17.5 12 18.7 15.5 17.3 26.9 21.8 24.0 23.5 21.0 22.2 18.8 17.4 18.1 17.1 13 16.1 13.6 15.0 26.6 22.3 24.3 24.5 20.6 22.5 17.9 16.4 14 19.7 14.1 17.0 24.7 22.3 23.4 25.4 24.7 21.0 22.9 18.8 15.5 17.0 24.8 20.3 21.5 22.5 22.9 18.7 15 16.1 18.2 21.0 16.6 17.6 16 22.0 16.1 18.9 24.3 20.0 21.8 24.5 20.3 22.3 18.8 16.6 17.6 21.6 23.1 24.5 17 17.7 19.7 20.3 21.6 20.3 22.4 18.7 16.6 17.6 18 20.6 15.8 18.3 23.6 19.8 21.7 24.2 20.8 22.5 19.2 16.3 17.8 19 21.5 16.0 18.7 24.3 19.7 21.6 23.0 19.5 21.4 19.0 16.6 17.8 22.3 20 24.5 22.1 22.1 20.0 21.0 18.7 17.3 16.8 19.6 19.8 15.8 21 20.1 18.7 23.6 18.0 20.9 24.2 22.0 21.3 19.3 20.4 16.1 17.5 24.3 19.3 21.9 23.8 20.0 21.7 22.0 18.4 20.2 18.4 17.0 15.5 23 24.5 20.0 22.2 24.5 20.0 22.1 22.5 18.8 20.6 18.2 15.5 16.9 24 25.0 20.1 22.3 24.7 20.3 22.4 22.0 18.7 20.3 18.0 15.5 16.9 25 22.5 25.2 18.2 19.3 20.9 20.6 22.8 22.8 20.5 17.7 16.1 16.9 20.8 26 20.6 18.8 19.7 25.0 22.9 23.1 18.8 21.1 17.5 15.0 16.2 23.8 25.5 20.5 22.8 22.5 17.7 18.0 20.6 19.7 15.2 28 24.7 19.2 21.8 24.3 20.6 22.4 22.3 19.3 20.8 17.7 16.1 16.8 25.0 17.1 29 20.5 22.7 24.2 20.0 22.0 22.1 19.5 20.9 14.7 15.8 23.4 26.1 21.0 19.8 19.8 16.9 14.1 15.4 31 23.0 18.8 20.8 22.1 19.0 20.6 MONTH 28.0 18.8 23.1 25.4 18.2 21.7 22.6 14.1 17.6